

# EAST SEARCH

9/9/03

L#	Hits	Search String	Databases
L1	3837	model predictive contoller or "model predictive contol" or MPC or "predictive control" or "predic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	52	1 and ((nonlinear or non-linear) adj model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	157	1 and (((linear or lineariz\$3) with model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	68	1 and (("model predictive contoller" or "model predictive contol" or MPC or "predictive control"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	1	3 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	1	4 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	45	2 and 3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	63	("model predictive contoller" or "model predictive contol" or MPC or "predictive control" or "predictive contoller") and (MPC with format)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	6	("model predictive contoller" or "model predictive contol" or "predictive control" or "predictive contoller") with format	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	691	model predictive contoller or "model predictive contol" or "predictive control" or "predictive con	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	1	6 and 10	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	53	1 and (variable\$1 with threshold)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	11	3 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	1	1 and (lineariz\$3 with variable\$1 with (threshold or limit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	2	("model predictive contoller" or "model predictive contol" or MPC or "predictive control" or "pre	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	141	1 and (error\$1 with (threshold or limit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	88	1 and (prediction with error\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	23	16 and 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	0	1 and ((pretreat or preprocess) with variable\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	323	1 and (detect\$3 with error\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	102	16 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	17	21 and ((plant or measure\$4) with variable\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	31	1 and ("state space" with (model or representation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	17	3 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L25	0	1 and ((fewer or reduce\$1) with "state space")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L27	2	23 and 26	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	134	1 and (reduc\$4 with model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	8	23 and 28	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	18	1 and ((fewer or reduce\$1) with states)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	2	1 and (reduc\$4 with "state space")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	291	1 and (correct\$3 with error\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	51	31 and ((plant or measure\$4) with variable\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	12	32 and (correct\$3 with error\$1 with variable\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L34	53	1 and ((comput\$3 or contol\$3) with target\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L35	26	1 and ("real time" with optimiz\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L36	0	34 and 35	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L37	23	34 and optimiz\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L38	2	1 and submodels	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L39	12	1 and ("model predictive" adj controllers)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L40	22	1 and ("regulatory control")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L41	2	1 and ("discrete time" or "discrete-time") with "state space")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L42	2	1 and ("discrete time" or "discrete-time") same "state space")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L44	6	1 and (submodel\$1 or sub-model\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L43	52	("discrete time" or "discrete-time") with "state space"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L45	18	1 and ( lineariz\$3 with model)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

09/544390

Todd Hess et al.

## EAST SEARCH

9/9/03

Results of search set L12:(model predictive contoller or "model predictive control" or MPC or "predictive control" or "predictive controller") and (variable\$1 with threshold)

Document Kind	Codes	Title	Issue Date	Current OR	Abstract
US	20030144768	A1	Method and system for remote reconstruction of a surface	20030731 701/2	
US	20030095069	A1	Multiple pass location processing	20030522 342/465	
US	20030088322	A1	Kin thermal and combustion control	20030508 700/53	
US	20030065410	A1	Method and apparatus for controlling a non-linear mill	20030403 700/37	
US	20030064734	A1	Modified transmission method for improving accuracy for E-911 calls	20030403 455/456.1	
US	20030048476	A1	Image-processing device processing image data by judging a detected and expanded Medium	20030313 358/3.1	
US	20030035673	A1	Image processing apparatus including low-linear-density dot region detection unit, and image f	20030220 400/76	
US	20030028265	A1	Kin/cooler control and upset recovery using a combination of model predictive control and exp	20030206 700/31	
US	20030026372	A1	Adaptive phase locked loop	20030206 375/376	
US	20030017832	A1	Method for estimating TDOA and FDOA in a wireless location system	20030123 455/456.1	
US	20030003943	A1	Mobile computer system having a navigation mode to optimize system performance and powe	20030102 455/550.1	
US	20020186167	A1	Automatic synchronous tuning of narrowband receivers of a wireless location system for voice	20021212 342/465	
US	20020172223	A1	Calibration for wireless location system	20021121 370/480	
US	20020145564	A1	Antenna selection method for a wireless location system	20021010 342/457	
US	20020101375	A1	Baseline selection method for use in a wireless location system	20020801 342/465	
US	20020099724	A1	Automated closed loop step testing of process units	20020725 707/200	
US	20020080069	A1	Collision recovery in a wireless location system	20020627 342/387	
US	20020077756	A1	Neural-network-based identification, and application, of genomic information practically releva	20020620 702/20	
US	20020039904	A1	Monitoring of call information in a wireless location system	20020404 455/456.1	
US	20020031263	A1	Method and system for processing character edge area data	20020314 382/199	
US	20010046870	A1	Modified transmission method for improving accuracy for E-911 calls	20011129 455/456.2	
US	6603428	B2	Multiple pass location processing	20030805 342/457	
US	6563460	B2	Collision recovery in a wireless location system	20030513 342/457	
US	6519465	B2	Modified transmission method for improving accuracy for E-911 calls	20030211 455/456.1	
US	6493596	B1	Method and apparatus for controlling a non-linear mill	20021210 700/37	
US	6492944	B1	Internal calibration method for receiver system of a wireless location system	20021210 342/387	
US	6483460	B2	Baseline selection method for use in a wireless location system	20021119 342/457	
US	6463290	B1	Mobile-assisted network based techniques for improving accuracy of wireless location system	20021008 455/456.1	

US 6438430 B1	Kiln thermal and combustion control	20020820 700/28
US 6400320 B1	Antenna selection method for a wireless location system	20020604 342/457
US 6388618 B1	Signal collection system for a wireless location system	20020514 342/457
US 6334059 B1	Modified transmission method for improving accuracy for e-911 calls	20011225 455/404.2
US 6317604 B1	Centralized database system for a wireless location system	20011113 455/456.5
US 6317081 B1	Internal calibration method for receiver system of a wireless location system	20011113 342/387
US 6285321 B1	Station based processing method for a wireless location system	20010904 342/465
US 6281834 B1	Calibration for wireless location system	20010828 342/174
US 6266013 B1	Architecture for a signal collection system of a wireless location system	20010724 342/387
US 6256660 B1	Method and program product for allowing application programs to avoid unnecessary packet a	20010703 709/200
US 6216048 B1	Method and apparatus for determining the sensitivity of inputs to a neural network on output p	20010410 700/44
US 6208953 B1	Method for monitoring plants with mechanical components	20010327 703/7
US 6184829 B1	Calibration for wireless location system	20010206 342/387
US 6172644 B1	Emergency location method for a wireless location system	20010109 342/457
US 6115599 A	Directed retry method for use in a wireless location system	20000905 455/404.1
US 6097336 A	Method for improving the accuracy of a wireless location system	20000801 342/357.02
US 6091362 A	Bandwidth synthesis for wireless location system	20000718 342/465
US 5825646 A	Method and apparatus for determining the sensitivity of inputs to a neural network on output p	19981020 700/44
US 5663621 A	Autonomous, low-cost, automatic window covering system for daylighting applications	19970902 318/480
US 5570282 A	Multivariable nonlinear process controller	19961029 700/41
US 5566065 A	Method and apparatus for controlling multivariable nonlinear processes	19961015 700/44
US 5394322 A	Self-tuning controller that extracts process model characteristics	19950228 700/37
US 5301101 A	Receding horizon based adaptive control having means for minimizing operating costs	19940405 700/36
US 3986364 A	Marine turbine control	19761019 60/706
WO 200179945 A	Control method for a process based on rigorous, non-linear process model receiving plant me	20030521 60